

or spleen. Pref. they are derived from peripheral blood and are NK cells. The **lymphokine** may comprise an interleukin or interferon. In a pref. embodiment, a cell preparation of peripheral blood mononuclear cells (PBMC) is isolated from a cancer patient induced into remission, a low buoyant density (LBD) fraction of POMC is isolated to enrich for HP cells which usually comprise less than 2% of PBMC from normal peripheral cells and 4-10% of LBD cells (comprising 45-60% NK cells and 35-50 T cells). Pref., therefore, the source of **cytotoxic** cells is co-isolated with the cell preparation. As such, recombinant **Interleukin-2** (rIL-2) may be added directly to the cell preparation in amounts sufficient to activate the **cytotoxic** NK cells. Upon treatment of the patient e.g. by irradiation or chemotherapy, the treatment cell preparation is returned in accordance with standard procedures.

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FS CPI

FA AB

MC CPI: B02-V03; B04-B04A1; B04-B04E; B04-C01G; B12-G07; D05-H08

ABEQ US 5041289 A UPAB: 19930923

**Cytotoxic** cell prepn. comprises autologous **cytotoxic** cells (e.g. derived from bone marrow, peripheral blood, lymph node, lymphatics, thymus and spleen tissues), which have been activated in vitro with **interleukin-2**; and combined with an enriched progenitor cell prepn. selected on a size basis or the presence of specific surface **antigens**.

USE - The prods. provide an effective means of removing residual tumour cells.

ABEQ EP 317141 B UPAB: 19940831

A cell preparation for use in the repopulation and regeneration of the haematopoietic system of a patient suffering from neoplastic disease, the cell preparation being prepared by purging residual tumour cells from a cell preparation which is derived from autologous peripheral blood and which contains haematopoietic progenitor cells by treating the cell preparation in vitro with **lymphokine**-activated **cytotoxic** cells, and wherein the cell preparation is enriched for haematopoietic progenitor cells by isolating low buoyant density cells from peripheral blood mononuclear cells or by separation procedures based on cell size or the presence of certain cell surface **antigens**.

Dwg.0/2

=> d his

(FILE 'HOME' ENTERED AT 11:27:46 ON 17 AUG 2004)

SET COST OFF

FILE 'HCAPLUS' ENTERED AT 11:27:59 ON 17 AUG 2004

	E KALTOFT K/AU
	E AGNHOLT J/AU
L1	1 S (US2001-720371# OR US99-339836# OR WO99-US14294 OR WO99-DK363
	E KALTOFT K/AU
L2	42 S E3-E5
	E AGNHOLT J/AU
L3	10 S E3,E4
	E CELLCURE/PA,CS
L4	1 S E3-E8
	E CELL CURE/PA,CS
	E T CELL/CT
L5	49646 S E4
L6	8565 S E7-E9
	E T CELL/CT
	E E4+ALL

L7 40148 S E20-E23  
 L8 2034 S E34-E36  
 L9 2786 S E49,E50,E51  
 L10 22751 S T CELL AND CYTOTOXIC?  
 L11 32001 S LYMPHOCYT? AND CYTOTOXIC?  
 L12 48426 S L6-L9  
 L13 66532 S L10,L11,L12  
 L14 11873 S L5 AND L13  
 L15 37773 S L5 NOT L13,L14  
 L16 14972 S L15 AND ANTIGEN?/CW  
 L17 7055 S L14 AND ANTIGEN?/CW  
 L18 22027 S L16,L17  
 L19 28575 S L14,L15 AND ?ANTIGEN?  
 L20 28575 S L18,L19  
 L21 7393 S L20 AND CYTOKINE  
 L22 8649 S L20 AND INTERLEUKIN  
 L23 6615 S L20 AND IL  
 L24 492 S L20 AND (IL2 OR IL4 OR IL7 OR IL9 OR IL10 OR IL12 OR IL15 OR  
 L25 9466 S L22-L24  
 L26 11646 S L21,L25  
 L27 47 S L26 AND TIL  
 L28 66 S L26 AND TUMOR INFILTRAT? LYMPHOCYT?  
 L29 142 S L26 AND TUMOR(S) INFILTRAT?(S) LYMPHOCYT?  
 E CD8/CT  
 E E10+ALL  
 L30 1310 S L26 AND E20  
 E E26+ALL  
 L31 498 S L26 AND E9,E10  
 L32 1652 S L30,L31  
 L33 208 S L26 AND CULTURE/CW  
 E ANIMAL CELL/CT  
 L34 304 S E70 AND L26  
 E ANIMAL CELL CULTURE/CT  
 E ANIMAL TISSUE/CT  
 L35 76 S E3 AND L26  
 E E22+ALL  
 L36 184 S E2-E4,E1 AND L26  
 L37 48 S E11 AND L26  
 L38 525 S L33-L37  
 L39 189 S L38 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L40 49 S L39 AND L27-L32  
 L41 5 S L40 AND ?SUPERANTIGEN?  
 L42 7 S L40 AND (SEA OR SEB OR SEC OR SED OR SEE OR TSST OR STREPTOCO  
 L43 7 S L40 AND TOXIN#/CW  
 L44 11 S L41-L43

FILE 'REGISTRY' ENTERED AT 12:21:24 ON 17 AUG 2004

L45 2 S 83869-56-1 OR 186322-81-6

FILE 'HCAPLUS' ENTERED AT 12:21:33 ON 17 AUG 2004

L46 35 S L45 AND L39  
 L47 11 S L40 AND L46  
 L48 17 S L44,L47  
 L49 12 S L48 AND CELL?(S) (GROW? OR PROLIFERAT? OR ACTIVAT? OR EXPAN?)  
 L50 5 S L48 NOT L49  
 SEL DN AN 1 2  
 L51 3 S L50 NOT E1-6  
 SEL DN AN L49 1 5 7  
 L52 9 S L49 NOT E7-E15  
 L53 12 S L51,L52  
 L54 46 S L1-L4  
 L55 16 S L54 AND L5-L15  
 L56 24 S L54 AND (T CELL OR LYMPHOCYT?)

L57 24 S L55,L56  
 L58 5 S L57 AND CYTOTOX?  
 L59 15 S L57 AND ?ANTIGEN?  
 L60 15 S L58,L59  
 L61 7 S L60 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)  
 L62 18 S L53,L61  
 L63 8 S L60 NOT L62  
 SEL DN AN 6 8  
 L64 6 S L63 NOT E16-E21  
 L65 24 S L62,L64  
 L66 9 S L57 NOT L58-L65  
 L67 24 S L65 AND T() (CELL OR LYMPHOCYT?)  
 L68 24 S L67 AND (ANTIGEN? OR SUPERANTIGEN? OR SUPER ANTIGEN?)  
 L69 0 S L68 AND (IL2 OR IL4 OR IL7 OR IL9 OR IL10 OR IL12 OR IL15 OR  
 L70 18 S L68 AND (IL OR INTERLEUKIN) () (2 OR 4 OR 7 OR 9 OR 10 OR 12 OR  
 L71 17 S L68 AND CYTOKIN?  
 L72 13 S L68 AND CD8  
 L73 23 S L68 AND (EXPAN? OR PROLIFERAT? OR GROW? OR LIFESPAN OR LIFE S  
 L74 24 S L67-L73  
 L75 24 S L74 AND L1-L44,L46-L74

FILE 'HCAPLUS' ENTERED AT 12:35:55 ON 17 AUG 2004

FILE 'BIOSIS' ENTERED AT 12:36:20 ON 17 AUG 2004

E KALTOFT K/AU  
 L76 65 S E3,E4  
 E AGNHOLT J/AU  
 L77 21 S E3-E6  
 L78 80 S L76,L77  
 L79 17 S L78 AND CONFERENCE/DT  
 L80 17 S L78 AND 00520/CC  
 L81 24 S L78 AND (CONGRESS? OR CONFERENCE? OR POSTER OR SYMPOS? OR MEE  
 L82 7 S L81 NOT L79,L80  
 L83 17 S L81 NOT L82  
 L84 17 S L79,L80,L83  
 L85 10 S L84 AND T() (CELL OR LYMPHOCYT?)  
 L86 3 S L84 AND LYMPHOCYT?  
 L87 11 S L85,L86  
 L88 6 S L87 AND 02508/CC  
 SEL DN AN 1  
 L89 1 S L88 AND E1-E2

FILE 'BIOSIS' ENTERED AT 12:40:11 ON 17 AUG 2004

FILE 'WPIX' ENTERED AT 12:40:31 ON 17 AUG 2004

L90 2 S L1  
 L91 1 S L90 NOT LASER  
 L92 13861 S (C12N005-06 OR C12N005-08)/IPC  
 L93 1554 S L92 AND A61K039-395/IPC  
 L94 65 S L92 AND A61K039-40/IPC  
 L95 99 S L92 AND A61K039-42/IPC  
 L96 29 S L92 AND A61K039-44/IPC  
 L97 776 S L92 AND A61K039-00/IPC  
 L98 2104 S L93-L97  
 L99 668 S L98 AND PY<=1998  
 L100 1084 S L98 AND PRY<=1998  
 L101 1046 S L98 AND AY<=1998  
 L102 1089 S L99-L101  
 L103 143 S L102 AND CYTOTOX?/BIX  
 L104 0 S L102 AND CYTO TOX?/BIX  
 L105 16 S L103 AND ?SUPER?/BIX  
 L106 20 S L103 AND TOXIN?/BIX  
 L107 22 S L103 AND (SEA OR SEB OR SEC OR SED OR SEE OR TSST OR STREPTOC

L108 48 S L105-L107  
SEL DN AN 12 18 42  
L109 3 S E3-E9  
L110 95 S L103 NOT L105-L109  
SEL DN AN 5 44 46 90  
L111 4 S E10-E18  
E KALTOFT K/AU  
L112 2 S E3  
E AGNHOLT J/AU  
L113 1 S E3  
E CELLCURE/PA  
L114 2 S E3,E4  
E CELL URE/PA  
E CELL CURE/PA  
L115 2 S L112-L114  
L116 8 S L109,L111,L115  
L117 8 S L116 AND L90-L116  
L118 6 S L117 AND (T() (CELL OR LYMPHOCYT?))/BIX  
L119 7 S L117 AND LYMPHO?/BIX  
L120 8 S L118,L119  
L121 6 S L120 AND ?ANTIGEN?/BIX  
L122 6 S L120 AND ((IL OR INTERLEUKIN)() (2 OR 4 OR 7 OR 9 OR 10 OR 12  
L123 1 S L120 AND (IL2 OR IL4 OR IL7 OR IL9 OR IL10 OR IL12 OR IL15 OR  
L124 4 S L120 AND (CD8 OR CD 8)/BIX  
L125 1 S L120 AND (TIL OR (TUMOR OR TUMOUR)() INFILTRAT?() LYMPHOCYT?)/B  
L126 8 S L120-L125

FILE 'WPIX' ENTERED AT 13:13:25 ON 17 AUG 2004

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